

REMARKS

Claims 1-63 are pending in the application. Claims 1-63 are rejected. Claims 1, 3, 5, 6, 8, 13, 16, 17, 24, 26, 34, 37, 53, 55, 57, 58, and 60-63 are amended herein, and no new material is added by the amendments herein. Claim 20 is canceled herein without prejudice. Applicants respectfully submit that claims 1-19 and 21-63, as amended herein, are patentably distinct from the cited prior art and the prior art made of record, and therefore the rejections have been overcome. Thus, Applicants respectfully request withdrawal of the rejections.

Power of Attorney and Correspondence Address

Applicants would like to call to the Examiner's attention that the Office Action mailed December 29, 2003 was not mailed to the Attorneys of record. Applicants include herewith a copy of the Power of Attorney document executed on July 18, 2002, mailed to the United States Patent and Trademark Office (USPTO) on July 24, 2002, and received by the USPTO on August 2, 2002 in which all prior powers were revoked and the practitioners at Shemwell Gregory & Courtney LLP, Customer Number 30554, were appointed as the attorneys of record. In accordance with the Power of Attorney received by the USPTO on August 2, 2002, Applicants respectfully request that all further communications in this matter be directed to Rick Gregory, Shemwell Gregory & Courtney LLP, 4880 Stevens Creek Boulevard, Suite 201, San Jose, California 95129, telephone (408) 236-6646, facsimile (408) 236-6641.

Claim Rejections Under 35 USC §102

Claims 1, 3, 9, 12-17, 19, 22, 26-28, 33-35, 37-40, 42-45, 47, 50, 52, 53, 60, and 61 are rejected under 35 USC §102(e) as being anticipated by Clare et al., United States Patent number 6,414,955 ("Clare"). The Examiner asserts that Clare taught the invention of claims 1, 22, 60, and 61 for collecting and processing data in a sensor network.

Applicants respectfully submit that Clare discloses a wireless network of communicating devices including nodes. The node receives sensor data and the data is

stored in a buffer memory. A digital signal processor (DSP) filters and analyzes the stored data to improve signal-to-noise ration and extract information regarding the amplitude and spectral characteristics of the sensor data. After filtering, the DSP compares the characteristics to user-programmed profiles, and presents the results of the comparison to a microprocessor. The microprocessor makes decisions based upon the information from the DSP. The microprocessor can if required perform additional signal processing and analysis of the data, or be reconfiguring the DSP to more closely examine specific spectrum bands. Clare, column 18, lines 35-64.

Clare further discloses the microprocessor as providing essential control, logic, and programming functions for the node. In addition to making decisions based upon the sensor data, it handles multiple tasks including communication scheduling, topology learning for the network, maintenance and updating of routing tables, calculation of range relative to neighbor nodes or targets, storage of data and relaying of communications between nodes and to or from a user. Clare, column 20, lines 58-65.

Consequently, Applicants respectfully submit Clare does not disclose a method for collecting and processing data in a sensor network, comprising coupling a plurality of network elements including at least one node among an environment and at least one client computer, wherein the node comprises at least one preprocessor operating on real-time processes and at least one processor coupled to the preprocessor, and configuring the node at one of a plurality of programming layers through a plurality of application program interfaces (APIs), wherein the programming layers include a physical layer including real-time processes and an operating system layer including non-real-time processes, as claimed in independent claims 1, 60, and 61, as amended (emphasis added). Thus, Applicants respectfully submit that claims 1, 60, and 61, as amended, are patentable over Clare. Additionally, as claims 2-19 and 21-54 depend from amended claim 1, claims 2-19 and 21-54 are patentable over Clare.

Claim Rejections Under 35 USC §103

Claims 4-6, 8, 48, 49, 51, 55-59, 62, and 63 are rejected under 35 USC §103(a) as being unpatentable over Clare in view of Villa et al., United States Patent number 6,550,012 ("Villa"). The Examiner asserts that Clare does not specifically teach

including one gateway, one server, and one network. The Examiner also asserts that Villa taught coupling the node to the client computer through a plurality of network elements, wherein the plurality of network elements include at least one gateway, at least one server, and at least one network. Consequently, the Examiner opines, it would have
5 been obvious to one of ordinary skill in the art at the time of invention by Applicants to combine the teachings of Clare and Villa because Villa's system of including a gateway, a server and a network would increase the field of use by including different system environments in their system.

Applicants respectfully submit that Clare discloses a wireless network of
10 communicating devices including nodes, as described above. Applicants further submit that Villa discloses an active firewall system and methodology. The system includes a central processor and a main memory. The processor includes or is coupled to a cache memory for storing frequently accessed information. Villa, column 7, lines 8-40.

Consequently, Applicants respectfully submit that, as described above with
15 reference to Clare, Villa also does not disclose a method comprising coupling a plurality of network elements including at least one node among at least one environment and at least one client computer using at least one coupling with the Internet, wherein the node comprises at least one preprocessor operating on real-time processes and at least one processor coupled to the preprocessor, and configuring the node at one of a plurality of
20 programming layers through a plurality of application program interfaces (APIs), wherein the programming layers include a physical layer including real-time processes and an operating system layer including non-real-time processes (emphasis added). Therefore, Clare in View of Villa does not disclose a method comprising coupling a plurality of network elements including at least one node among at least one environment and at least
25 one client computer using at least one coupling with the Internet, wherein the node comprises at least one preprocessor operating on real-time processes and at least one processor coupled to the preprocessor, and configuring the node at one of a plurality of programming layers through a plurality of application program interfaces (APIs), wherein the programming layers include a physical layer including real-time processes and an
30 operating system layer including non-real-time processes, as claimed in independent claims 55, 58, 62, and 63, as amended (emphasis added). Thus, Applicants respectfully

submit that claims 55, 58, 62, and 63, as amended, are patentable over Clare in view of Villa.

Additionally, as claims 56 and 57 depend from amended claim 55, claims 56 and 57 are patentable over Clare in view of Villa. Further, as claim 59 depends from amended claim 58, claim 59 is patentable over Clare in view of Villa.

Likewise, as Applicants submit that amended independent claims 1, 60, and 61 are patentable over Clare, Applicants submit that the other rejections of dependent claims 2, 4-6-8, 10, 11, 18, 20-25, 29-32, 36, 41, 46, 48, 49, 51, and 54, under 35 USC §103 based on Clare in combination with various other references have been overcome and Applicants respectfully request withdrawal of these additional rejections.

Conclusion

In view of the foregoing amendments and remarks, Applicants respectfully submit that claims 1-19 and 21-63 as amended herein are in condition for allowance. Thus, allowance of the claims is requested. If in the opinion of Examiner Lee a telephone conference would expedite the prosecution of the subject application, or if there are any issues that remain to be resolved prior to allowance of the claims, Examiner Lee is encouraged to call Rick Gregory at (408) 236-6646.

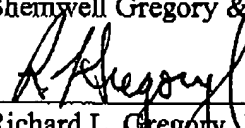
A Petition for Extension of Time Under 37 CFR 1.136(a) is enclosed herewith in duplicate for a one month extension of time.

AUTHORIZATION TO CHARGE DEPOSIT ACCOUNT

Please charge deposit account 501914 for any fees due in connection with this Office Action response.

Date: June 10, 2004

Respectfully submitted,
Shemwell Gregory & Courtney LLP


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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

Serial No.	Filed	Title	Assignment Recorded at Reel/Frame
09/684,706	04 Oct 2000	APPARATUS FOR INTERNETWORKED WIRELESS INTEGRATED NETWORK SENSORS (WINS)	011538/0184
09/684,565	04 Oct 2000	METHOD FOR COLLECTING AND PROCESSING DATA USING INTERNETWORKED WIRELESS INTEGRATED NETWORK SENSORS (WINS)	011501/0123
09/685,020	04 Oct 2000	METHODS AND APPARATUS FOR DISTRIBUTED SIGNAL PROCESSING AMONG INTERCONNECTED WIRELESS INTEGRATED NETWORK SENSORS (WINS)	011501/0095
09/685,019	04 Oct 2000	APPARATUS FOR INTERNETWORKED HYBRID WIRELESS INTEGRATED NETWORK SENSORS (WINS)	
09/684,387	04 Oct 2000	APPARATUS FOR COMPACT INTERNETWORKED WIRELESS INTEGRATED NETWORK SENSORS (WINS)	011530/0693
09/684,490	04 Oct 2000	APPARATUS FOR VEHICLE INTERNETWORKS	011530/0691
09/684,742	04 Oct 2000	METHOD FOR INTERNETWORKED HYBRID WIRELESS INTEGRATED NETWORK SENSORS (WINS)	
09/680,550	04 Oct 2000	METHOD FOR COLLECTING DATA USING COMPACT INTERNETWORKED WIRELESS INTEGRATED NETWORK SENSORS (WINS)	011805/0364
09/685,018	04 Oct 2000	METHOD AND APPARATUS FOR INTERNETWORKED WIRELESS INTEGRATED NETWORK SENSORS (WINS)	011500/0724
09/684,388	04 Oct 2000	METHOD FOR VEHICLE INTERNETWORKS	011803/0165
09/684,162	04 Oct 2000	APPARATUS AND REMOTE ACCESS OF VEHICLE COMPONENTS	011530/0616

09/680,608	04 Oct 2000	METHOD FOR REMOTE ACCESS OF VEHICLE COMPONENTS	011538/0200
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Power of Attorney by Assignee and Certification
Under 37 CFR §3.73(b)

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

I, the undersigned, acting on behalf of the Assignee of the entire right, title and interest in the above-referenced patent applications, hereby revoke all prior powers of attorney for said applications and appoint the practitioners at Customer Number 30554, the Customer Number of Shemwell & Gregory LLP, as my/our attorney(s) or agent(s) to prosecute said applications, and to transact all business in the United States Patent and Trademark Office connected therewith. This appointment is to the exclusion of the inventor(s) and their attorney(s) and agent(s) in accordance with the provisions of 37 CFR 3.71.

Effective immediately, please direct all further communications in the above-identified patent application to the following address:

Shemwell & Gregory LLP
4880 Stevens Creek Blvd., Ste. 201
San Jose, CA 95129

Telephone: (408) 236-6640
Facsimile: (408) 236-6641
Customer No. 30554

In accordance with 37 CFR 3.73(b), I hereby certify that I am empowered to act on behalf of the Assignee. To the best of my knowledge and belief, title is in the Assignee, as evidenced by the assignments recorded in the Patent and Trademark Office at the above-indicated reel/frame locations or, if not indicated above, by the assignment documents attached hereto.

I further declare that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, USC §1001 and that such willful false statements may jeopardize the validity of the this application or any patent resulting therefrom.

ASSIGNEE: Sensoria Corporation

Signature: _____

Typed Name: David C. Gelvin _____

Title: President & CEO _____

Date: 7/18/02 _____

Address: 15950 Bernardo Center Drive, Suite J _____

San Diego, CA 92127 _____